

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Letters Patent of:
Ryota Hata et al.

Patent No.: 7,317,439

Issued: January 8, 2008

For: ELECTRONIC APPARATUS AND
RECORDING MEDIUM THEREFOR

**REQUEST FOR CERTIFICATE OF CORRECTION
PURSUANT TO 37 CFR 1.322**

Attention: Certificate of Correction Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Upon reviewing the above-identified patent, Patentee noted typographical errors which should be corrected. A listing of the errors to be corrected is attached.

The typographical errors marked with a "P" on the attached list are not in the application as filed by applicant. Also given on the attached list are the documents from the file history of the subject patent where the correct data can be found.

The errors now sought to be corrected are inadvertent typographical errors the correction of which does not involve new matter or require reexamination.

Transmitted herewith is a proposed Certificate of Correction effecting such corrections. Patentee respectfully solicits the granting of the requested Certificate of Correction.


Patent No.: 7,317,439

Docket No.: 09634/000L263-US0

No fee is due for the filing of this Request. The Commissioner is authorized to charge any deficiency of up to \$300.00 or credit any excess in this fee to Deposit Account No. 04-0100.

Dated: May 13, 2008

Respectfully submitted,

By 

Flynn Barrison

Registration No.: 53,970
DARBY & DARBY P.C.
P.O. Box 770
Church Street Station
New York, New York 10008-0770
(212) 527-7700
(212) 527-7701 (Fax)
Attorneys/Agents For Applicant

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO. : 7,317,439

Page 1 of 1

APPLICATION NO.: 10/045,611

ISSUE DATE : January 8, 2008

INVENTOR(S) : Hata et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 9, line 58-59, in Claim 14, after "medium" delete "recording a program".

In column 9, line 61, in Claim 14, after "turned off" insert - - , - -.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Joseph R. Robinson, Esq.

DARBY & DARBY P.C.

P.O. Box 770

Church Street Station

New York, New York 10008-0770

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This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Darby & Darby

Issued Patent Proofing Form

File#: **09634/000L263-US0**

Note: P = **PTO Error**

A = **Applicant Error**

Proofread By: **Nitisha (01/23/2008)**

US Serial No.: **10/045,611**

US Patent No.: **US 7,317,439 B2**

Issue Dt.: **Jan. 8, 2008**

Title: **ELECTRONIC APPARATUS AND RECORDING MEDIUM THEREFOR**

Proofing Instructions: **Face Page, Claims and Abstract**

Sr. No.	P/A	Original		Issued Patent		Description Of Error
		Page	Line	Column	Line	
1	P	Page 9 Claims (07/26/2007)	Claim 16 Line 1	9	58-59	In Claim 14, after “medium” delete “recording a program”.
2	P	Page 9 Claims (07/26/2007)	Claim 16 Line 3	9	61	In Claim 14, after “turned off” insert - - , - -.

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a parameter adjusting unit operable to, with a variation in a light state of said lighting means as a trigger, adjust a parameter participating in picture quality so as to conform said light state;
 said parameter including information used for tone reproduction curve correction;
 a signal correcting unit operable to input a display signal and to correct picture quality of an input display signal in accordance with an adjusted parameter; and
 a driving unit operable to drive said display panel on the basis of a corrected display signal;
 wherein, when acquired image information shows an image that includes a great amount of halftone components, said signal correcting unit makes tone reproduction curve correction according to a halftone priority characteristic, and when acquired image information shows an image or a text that includes a great amount of high range/low range components, said signal correcting unit makes tone reproduction curve correction according to said high range/low range priority characteristic.

10. A computer-readable recording medium having stored thereon computer executable program steps operative for controlling an electronic apparatus for displaying a display signal included in a file, the file comprising file image information free of the display signal, the electronic apparatus including a display panel, a lighting unit operable to light the display panel, and a driving unit operable to drive the display panel, the program comprising:

- an image information acquisition process of obtaining the image information from the file, said image information indicating whether the display signal includes a great amount of middle range components or a great amount of high range/low range components;
- a parameter generating process of generating a parameter based on the image information in combination with a light state of said lighting unit, and operable to output the generated parameter a light state of said lighting unit, and operable to output the generated parameter; and
- a signal correcting process of correcting the display signal using the generated parameter and outputting it to the driving unit.

11. The computer-readable recording medium as set forth in claim 10, wherein the parameter includes information used for tone reproduction curve correction.

12. The computer-readable recording medium as set forth in claim 10, wherein said parameter includes information about one or more of edge enhancement processing, hue adjustment, color gain adjustment, and white balance adjustment.

13. The computer-readable recording medium as set forth in claim 10, wherein profile information about a device that has generated said display signal is stored, and said signal correcting process corrects said display signal while taking this profile into account.

14. The computer-readable recording medium recording a program as set forth in claim 10, wherein, when operational information is not input from a user continuously during a fixed time, said lighting means is turned off and, with this turn-off as a trigger, said parameter generating process generates said parameter.

15. The computer-readable recording medium as set forth in claim 10, wherein the attribute of the display signal includes an indication of at least one of gradation and color system of the display signal.

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16. A computer-readable recording medium having stored thereon computer executable program steps operative for controlling an electronic apparatus that includes a display panel, a lighting unit operable to light the display panel, and a driving unit operable to drive the display panel, the program comprising:

- a parameter adjusting process of, with a variation in a light state of the lighting unit as a trigger, adjusting a parameter participating in picture quality so as to conform the light state;
- wherein the parameter includes information used for tone reproduction curve correction;
- wherein said parameter includes information used for tone reproduction curve correction of at least two of a halftone priority characteristic that gives priority to a middle range and a high range/low range priority characteristic that gives priority to a high range/low range;
- a signal correcting process of inputting a display signal and correcting an input display signal in accordance with an adjusted parameter and outputting it to the driving unit; and
- an image information acquisition process of acquiring image information about a display signal, wherein:
 - if acquired image information shows that said display signal includes a great amount of middle ranges, said signal correcting process makes tone reproduction curve correction according to said halftone priority characteristic; and
 - if acquired image information shows that said display signal includes a great amount of high ranges/low ranges, said signal correcting process makes tone reproduction curve correction according to said high range/low range priority characteristic.

17. The computer-readable recording medium as set forth in claim 16, wherein said image information acquisition process acquires image information from one of for both of file extension information and file header information about said display signal.

18. A computer-readable recording medium having stored thereon computer executable program steps operative for controlling an electronic apparatus that includes a display panel, a lighting unit operable to light the display panel, and a driving unit operable to drive the display panel, the program comprising:

- a parameter adjusting process of, with a variation in a light state of the lighting unit as a trigger, adjusting a parameter participating in picture quality so as to conform the light state;
- the parameter including information used for tone reproduction curve correction; and
- a signal correcting process of inputting a display signal and correcting picture quality of an input display signal in accordance with an adjusted parameter and outputting it to the driving unit;
- wherein, when acquired image information shows an image that includes a great amount of halftone components, said signal correcting process makes tone reproduction curve correction according to a halftone priority characteristic, and when acquired image information shows an image or a text that includes a great amount of high range/low range components, said signal correcting process makes tone reproduction curve correction according to said high range/low range priority characteristic.

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